

LEGEND 1997 2-foot contour mapping 1991 IFIM Surveys

CONTROL POINT DATA I-2 (concrete and pipe) Northing: 2313980.307 2002 Water Surface I-1 -- not found

1991 Water Surface August 2002 Survey

TRANSECT DATA Elevation:159.80'

Easting: 6686640.770

Length (2002): 688.31 Length (1991) 563 00'

Azimuth: 357°32'50"

Azimuth: 357°32'50"

GAGE DATA (from USGS)

7/10/92 Oroville Gage: 1020cfs

9/4/02:

658cfs

Gridley Gage: 9/4/02 7/10/92 3879cfs 1160cfs

Notes: Assumed elevations for the control points were 1992 IFIM surveys were conducted on July 10, 1992.) Land surveys, depth soundings, and velocities for the

- 3) The 1997 cross-section was generated from 2-foot performed by DWR-Land and Right-of-Way in June converted to actual elevations by a level survey
- 4) The 2002 cross-section was surveyed in June 2002. cross-section was generated using Land Developer and contour topographic mapping from the U.S. Army Corps of Engineers (COE) Comprehensive Study. The actual Coordinates for the IFIM control points were generated AutoCad software. using a RTK GPS survey with a Trimble backpack 4700
- 5) Elevations are referenced to the National Geodetic Vertical Datum of 1929 (NGVD29).

along section with conventional total station surveying

receiver. Distances and elevations were measured

equipment.

STATE OF CALIFORNIA DEPARTMENT OF WATER RESOURCES

Oroville Facilities Relicensing FERC Project No. 2100

Channel Changes - 1992 - 2002 Hatchery Riffle -- Transect 1 Appendix C -- Plate 17 SP--G2 -- Task 3 RM 65.87



repared by